

Table 2. Summary of reported 2006 fish sampling effort capable of incidental ruffe capture in Lake Michigan.

Location	Agency	Effort *	Gear	Date	Ave. btm. temp. (°C)	Ave. depth (m)	Ruffe
Big Bay de Noc	MIDNR	200	BT	Jun/Jul/Aug/Sep/06			
Big Bay de Noc	MIDNR	293 meters	GN-exp	Jun/Jul/Aug/Sep/06		4.6	
Big Bay de Noc	MIDNR	3,841 meters	GN-25	Sep/Oct/06			
Big Bay de Noc	MIDNR	3,841 meters	GN-38	Sep/Oct/06			
Big Bay de Noc	MIDNR	3,841 meters	GN-50	Sep/Oct/06			
Big Manistee River	FWS/LBS	132 trapnights	PAT	4/16-6/21/06	14.5	0.5	
Boardman River	GTBOCI	59 trapnights	PAT	4/18-6/16/06	15.9 (S)	0.5	
Bowers Harbor	ISEA	30	BT-4.9	6/16/06		6.0-15.0	
Carp Lake Outlet	LTBBOI	59 trapnights	PT	4/25-6/23/06	15.0 (S)	0.8	
Deer Creek	PC	130 trapnights	PAT	4/13-6/17/06	16.9	0.5	
East Twin River	PC	55 trapnights	PAT	4/18-6/12/06	15.4 (S)	0.5	
Grand Traverse Bay (Northport)	ISEA	10	BT-4.9	7/19/06		6.0-15.0	
Grand Traverse Bay (West Arm)	ISEA	420	BT-4.9	May/June/Aug/06		6.0-15.0	
Hog Island Creek	PC	60 trapnights	FN	4/19-6/18/06	14.6	0.5-1.0	
Lake Charlevoix	ISEA	10	BT-4.9	8/21/06		6.0-15.0	
Little Bay de Noc	ISEA	60	BT-4.9	7/12,13,14,16/06		6.0-15.0	
Little Bay de Noc**	MIDNR	200	BT	Jun/Jul/Aug/Sep/06		5.9	1
Little Bay de Noc**	MIDNR	293 meters	GN-exp	Jun/Jul/Aug/Sep/06		3.8	1
Little Bay de Noc**	MIDNR	1280 meters	GN-25	Sep/Oct/06		2.1	8
Little Bay de Noc**	MIDNR	1280 meters	GN-38	Sep/Oct/06		2.6	30
Little Bay de Noc**	MIDNR	1280 meters	GN-50	Sep/Oct/06		3.1	
Little Traverse Bay (Petoskey)	ISEA	10	BT-4.9	8/19/06		6.0-15.0	
Manistique River	FWS/MBS	47 trapnights	MT	4/27-6/13/06	15.5	0.5	
Near-shore/Off-shore	USGS	710	BT-12	Sep-Oct/06	4.2-17.7	5.0-110.0	
Ogontz River	PC	63 trapnights	FN	4/20-6/22/06	16.3	0.5-1.0	
Omena Bay	ISEA	40	BT-4.9	8/2,15 & 9/20/06		6.0-15.0	
St. Joseph River	PC	162 trapnights	PAT	3/7-5/27/06	11.8 (S)	0.5	
Suttons Bay	ISEA	880	BT-4.9	Apr-Sep/06		6.0-15.0	
Totals		6.67 hours	BT				Ruffe
		24.33 hours	BT-4.9				1
		11.83 hours	BT-12				0
		123 trapnights	FN				0
		644 trapnights	Traps				0
		586 meters	GN-exp				1
		5,121 meters	GN-25				8
		5,121 meters	GN-38				30
		5,121 meters	GN-50				0
Total ruffe (all reported fish sampling capable of capturing ruffe on periphery & outside of previous detected range)							40

Key to agency:

FWS = U.S. Fish & Wildlife Service
 USGS = U.S. Geological Survey
 GTBOCI = Grand Traverse Band of Ottawa and Chippewa Indians
 ISEA = Inland Seas Education Association
 LBS = Ludington Biological Station - FWS
 LTBBOI = Little Traverse Bay Band of Ottawa Indians
 MBS = Marquette Biological Station - FWS
 MIDNR = Michigan Department of Natural Resources
 PC = Private contractor

Key to gear:

BT = Bottom trawl
 BT-4.9 = BT (4.9 m headrope)
 BT-12 = BT (12.0 m headrope)
 FN = Fyke net
 GN-exp = Experimental gill net
 GN-25 = Gill net (25 mm stretch mesh)
 GN-38 = Gill net (38 mm stretch mesh)
 GN-50 = Gill net (50 mm stretch mesh)
 MT = Mechanical trap
 PAT = Portable assessment trap
 PT = Permanent trap

Key to symbols:

* = Unless specified, effort is in minutes trawl was on bottom
 ** = Locations where ruffe were captured
 S = Surface temperature